

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended) A method of deploying content to mobile client applications, comprising:

accepting inbound messages from a mobile client application running on a mobile client device via a proxy IP /port;

packaging the said inbound messages into an internal message format with an HTTP redirector, wherein the said HTTP redirector, provided at the said mobile client device, accesses a library of mobile services in order to obtain information about a wireless protocol supported by the said mobile client device;

forwarding the said packaged message from said mobile client device to a back-end server over a non-IP protocol network;

receiving a response from a web server;

packaging the said response from said web server into the said internal message format with the said back-end server;

forwarding the said response to the said HTTP redirector; and

transferring the said response to the said mobile client application running on the said mobile client device via the proxy IP /port.

2. (currently amended) The method according to claim 1, wherein:

the said library of mobile services are stored at the said mobile client device.

3. (canceled)

4. (currently amended) The method according to claim 1 wherein:
the said HTTP redirector acts as a client side proxy.

5. (currently amended) The method according to claim 1, wherein:
~~the said~~ HTTP redirector provides compression of ~~the said~~ inbound packaged message.

6. (currently amended) The method according to claim 1, wherein:
~~the said~~ HTTP redirector provides decompression of ~~the said~~ response.

7. (currently amended) The method according to claim 1, wherein:
~~the said~~ HTTP redirector unpacks ~~the said~~ packaged response.

8. (currently amended) A method of deploying content to mobile client applications, comprising:

accepting inbound messages from a mobile client application running on a mobile client device via a proxy IP/port;

accessing a HTTP redirector acting as a mobile client-side proxy;

packaging ~~the said~~ inbound messages into an internal message format with ~~the said~~ HTTP redirector;

forwarding ~~the said~~ packaged message to a back-end server via a message router over a non-IP protocol network;

receiving a response from a Web server over said non-IP protocol network;

packaging ~~the said~~ response into ~~the said~~ internal message format by ~~the said~~ back-end server; and

forwarding ~~the said~~ packaged response to ~~the said~~ HTTP redirector via a message router and a protocol gateway.

9. (canceled)

10. (currently amended) The method according to claim 8, further comprising:

unpacking the said packaged response by the said HTTP redirector; and

transferring the said unpacked response to the said mobile client application running on the said client device via the said proxy IP/port.

11. (canceled)

12. (canceled)

13. (currently amended) A wireless device for communicating with a server via a non-IP protocol wireless network, comprising:

a browser generating a request;

a proxy IP/port; and

a redirector receiving the said request via the said proxy IP/port and packaging the said request with a protocol used by the said non-IP protocol wireless network, wherein the said director accesses a library of mobile services in order to obtain information about the said protocol used by the said non-IP protocol wireless network.

14. (canceled)

15. (currently amended) The device according to claim 13, wherein:

the said request is an HTTP request.

16. (currently amended) The device according to claim 13, wherein:

the said redirector acts as a client side proxy.

17. (currently amended) A method of communicating HTTP requests over a non-IP protocol wireless network, comprising:

 sending an HTTP request from a web browser on a wireless device;

 intercepting the said HTTP request with a redirector;

 packaging the said HTTP request into a message format used by the said non-IP protocol wireless network with the said redirector wherein the said redirector, provided at the said client device, accesses a library of mobile services in order to obtain information about a wireless protocol supported by the said wireless device;

 sending the said packaged request over the wireless network to a proxy server; and

 fulfilling the said request from the said proxy server.

18. (currently amended) The method according to claim 17, further comprising:

 unpacking the said request and sending the said request to an appropriate web server with the said proxy server.

19. (Currently Amended) The method according to claim 17, further comprising;

 sending an HTTP request from a proxy server to an appropriate web server;

 receiving a response to the said request;

 packaging the said response into a message format used by the said wireless network;

 sending the said packaged response to a redirector;

 unpacking the said packaged response with said redirector; and

 providing the said response to a web browser.

20. (canceled)

21. (canceled)

22. (canceled)

23. (canceled)

24. (canceled)

25. (canceled)

26. (canceled)

27. (currently amended) A computer useable information storage medium storing computer readable program code for causing a computer to perform the steps of:

accepting inbound messages from a mobile client application running on a mobile client device;

packaging the said inbound messages into an internal message format with a redirector wherein the said redirector, provided at the said mobile client device, accesses a library of mobile services in order to obtain information about a non-IP wireless protocol supported by the said mobile client device;

forwarding the said packaged message to a back-end server;

receiving a response from a web server;

packaging the said response into the said internal message format with the said back-end server;

forwarding the said response to the said redirector; and

transferring the said response to the said mobile client application running on the said mobile client device.

28. (currently amended) The computer useable information storage medium of claim 27, wherein:

the said redirector communicates with the said mobile client application via a proxy IP/port.

29. (currently amended) A messaging system, comprising:

a mobile client device having[[:]] comprising a web browser[[:]] and a redirector communicating with the said web browser, and said redirector packaging messages from the said web browser into a fundamental non-IP network protocol;

a Web server;

a plurality of wireless networks[[,]] each of which is adapted to[[:]] communicate messages between the said mobile client device and the said Web server[[:]], and support one or more non-IP wireless network protocols;

a protocol gateway encapsulating the said fundamental non-IP network protocol, which underlies said fundamental non-IP network protocol underlining each of the said one or more wireless network protocols; and

a communicator to communicate means for communicating messages between the said web browser and the said Web server[[,]] over a selected said non-IP wireless network protocol through the said protocol gateway[[,]] independent of the a selected wireless network protocol.

30. (currently amended) The messaging system according to claim 29, wherein:

the said Web server is an HTTP proxy server[[,]] which is adapted to receive a plurality of HTTP requests from the said mobile client device, send each the said request over the said Internet to the said server[[,]] and transmit a response corresponding thereto from the said server to the said mobile client device.

31. (currently amended) The messaging system according to claim 29, wherein:

~~the said~~ HTTP proxy server is adapted to support one or more HTTP protocols.

32. (currently amended) The messaging system according to claim 29, wherein:

~~the said~~ IMP proxy server comprises~~[:] means for creating a creator to create~~ a TCP/IP socket connection~~[:] and means for managing a manager to manage the said~~ TCP/IP socket connection.

33. (currently amended) The system according to claim 29, wherein:

~~the said~~ redirector at ~~the said mobile~~ client device accesses a library of mobile services in order to obtain information about ~~the said~~ network protocol supported by ~~the said mobile~~ client device.

34. (currently amended) The method according to claim 8, wherein:

~~the said~~ HTTP redirector, provided at ~~the said mobile~~ client device, accesses a library of mobile services in order to obtain information about a non-IP wireless protocol supported by ~~the said mobile~~ client device.

35. (new) A method of receiving content at a mobile client application, comprising:

receiving HTTP content at said mobile client application over a non-IP protocol network;

redirecting said HTTP content in said non-IP protocol to a content packager;

packing said HTTP content for presentation at said mobile client application; and

presenting said HTTP content said mobile client application.

36. (new) The method according to claim 35, wherein said step of redirecting further comprises:

acting as a client side proxy.

37. (new) The method according to claim 35, wherein said step of redirecting further comprises:

decompressing of said HTTP content.

38. (new) A method of deploying HTTP content to an Internet server, comprising:

deploying HTTP content to said Internet server;

redirecting said HTTP content to a non-IP protocol in a content packager;

packing said HTTP content for presentation to a non-IP network; and

presenting said HTTP content to said non-IP network.

39. (new) The method according to claim 38, wherein said step of redirecting further comprises:

acting as a client side proxy.

40. (new) The method according to claim 38, wherein said step of redirecting further comprises:

compressing of said HTTP content.

41. (new) Apparatus for deploying HTTP content to an Internet server, comprising:

a deployer to deploy HTTP content to said Internet server;

a redirector to redirect said HTTP content to a non-IP protocol in a content packager;

a packager to package said HTTP content for presentation to a non-IP network; and

a presenter to present said HTTP content to said non-IP network.

42. (new) The apparatus according to claim 41, wherein:

said redirector further acts as a client side proxy.

43. (new) The apparatus according to claim 41, wherein:

said redirector compresses said HTTP content.

44. (new) Apparatus for deploying HTTP content to an Internet server, comprising:

means for deploying HTTP content to said Internet server;

means for redirecting said HTTP content to a non-IP protocol in a content packager;

means for packing said HTTP content for presentation to a non-IP network; and

means for presenting said HTTP content to said non-IP network.

45. (new) The apparatus according to claim 44, wherein said means for redirecting further comprises:

means for acting as a client side proxy.

46. (new) The method according to claim 44, wherein said means for redirecting further comprises:

means for compressing of said HTTP content.

47. (new) Apparatus for receiving content at a mobile client application, comprising:

a receiver to receive HTTP content at said mobile client application over a non-IP protocol network;

a redirector to redirect said HTTP content in said non-IP protocol to a content packager;

a packager to package said HTTP content for presentation at said mobile client application; and

a presenter to present said HTTP content said mobile client application.

48. (new) The apparatus according to claim 47, wherein:
said redirector further acts as a client side proxy.

49. (new) The apparatus according to claim 47, wherein:
said redirector decompresses said HTTP content.

50. (new) Apparatus for receiving content at a mobile client application, comprising:

means for receiving HTTP content at said mobile client application over a non-IP protocol network;

means for redirecting said HTTP content in said non-IP protocol to a content packager;

means for packing said HTTP content for presentation at said mobile client application; and

means for presenting said HTTP content said mobile client application.

51. (new) The apparatus according to claim 50, further comprising:

means for acting as a client side proxy.

52. (new) The apparatus according to claim 50, further comprising:

means for decompressing of said HTTP content.